

Abstract of the Disclosure:

A splice module for optically interconnecting ends of first and  
5 second optical fibers (200, 300), each of which has a predetermined radius  
( $R_f$ ). The splice module comprises first and second plates (20, 30), both  
of which are made of silicon. The first plate 20 is provided with grooves  
(22). The second plate (30) is arranged on the first plate (20) to cover the  
grooves (22) and to define passage ways (26) for receiving and aligning the  
10 ends of the first and the second optical fibers (200, 300). The passage  
way (26) has an inscribed circle (28), which has a radius ( $R_i$ ) larger than the  
predetermined radius ( $R_f$ ) by a predetermined difference (D) between 0.5  
 $\mu\text{m}$  and 1.0  $\mu\text{m}$ , both inclusive.